

Interactive comment on “Lagrangian condensation microphysics with Twomey CCN activation” by Wojciech W. Grabowski et al.

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Received and published: 14 November 2017

We sincerely appreciate the time and effort the Executive Editor took to point out drawbacks of our submission. The Editor points out that there are two requirements that our submission has not met. First, the paper title “must give the model name and version number (or other unique identifier) in the title”. Second, all papers must include a section, at the end of the paper, entitled ‘Code availability’ and what we have in that section is not appropriate.

As for the first requirement, we would like to point out that our paper reports on the development of a novel methodology (Lagrangian condensation with Twomey activation) and not on the creation of a specific model or code. Thus, there is no version of the

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code to be added to the title. Can a methodology or idea have a version number? Yes in principle, but we think this would be awkward. That said, we do include specifics of the codes used in testing the idea in the “Code availability” section as stated below. In addition, the manuscript discusses various specific aspects of the Lagrangian methodology (e.g., advection of super-droplets, avoiding spurious cloud-edge supersaturation, etc.) that are general and independent of the specific model or code. Although we understand the requirement, we feel that in our specific case such a requirement cannot be met. In fact, we looked at titles of manuscripts published or in review in GMD and we see that some of them (agreeably, the minority) do not have the version number in the title. Thus, we insist on the original title and hope our explanation is sufficient.

As for the second requirement, we agree with the Editor. This was our omission that will be corrected in the revised manuscript. The “Code availability” section will include links to the codes used in the simulations reported in the manuscript, including version numbers and dois.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2017-214>, 2017.

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